TABLE NO. [ ]

MULTIMEDIA UNIVERSITY

STUDENT ID NO. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2016/2017

TIS 1116– INFORMATION SYSTEMS DEVELOPMENT

(All Sections / Groups)

10 OCTOBER 2016
2.30 p.m. – 4.30 p.m.
(2 Hours)

Question	Marks
Total (50%)	

INSTRUCTION TO STUDENT

1. This Question paper consists of **TEN** pages with **SIX** questions only.
2. Answer any **FIVE** out of the **SIX** questions.
3. If you answer all questions, **ONLY** the FIRST five questions will be marked.
4. Each question carries **10 marks** and the maximum marks allotted are **50 marks**.
5. Please print all your answers **clearly** and **neatly** in the specified **ANSWER BOX** provided for each question.

Question No. 1

a. How would you distinguish data and information, and what is the difference between information and knowledge?

(3 marks)

b. Define the term ***system***. What is the difference between a stable system and a dynamic system? Give an example of each system.

(3 marks)

Continued.....

c. Explain two specific objectives that organizations hope to accomplish through the use of transaction processing systems (TPS).

(4 marks)

Question No. 2

a. Explain two guidelines and their corresponding considerations, which should be followed in developing reports for management information systems (MIS).

(4 marks)

Continued.....

b. Explain two components of the decision support system (DSS).

(3 marks)

c. Discuss the term *artificial intelligence* and *natural intelligence*.

(3 marks)

Continued.....

Question No. 3

a. What is the value chain?

(3 marks)

b. What is the difference between a virtual organizational structure and a traditional organizational structure?

(3 marks)

Continued.....

c. Identify four reasons for a systems development project to be initiated.

(4 marks)

Question No. 4

a. What is interactive processing? What design factors should be taken into account for this type of processing?

(3 marks)

Continued.....

b. What is *Request for Proposal* (RFP)? List three items that are typically included in RFP.

(4 marks)

c. What is RFID technology? Identify one practical use for this technology.

(3 marks)

Continued.....

Question No. 5

a. What is the difference between systems and application software? Give two examples of personal productivity software.

(3 marks)

b. How do software bugs arise?

(3 marks)

Continued.....

c. Identify two important characteristics in selecting a database management system (DBMS).

(4 marks)

Question No. 6

a. What is the difference between synchronous and asynchronous communication?

(3 marks)

Continued.....

b. How might you use a personal area network in your home? What devices might eventually connect to such a network?

(4 marks)

c. What is cyberterrorist? What evidence is there of increased cyberterrorism activity?

(3 marks)

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